

Appl. No. 09/890,685
Resp. Dated March 11, 2004
Reply to Office Action of February 12, 2004
Atty. Docket No. 521.1008

Amendments to the Claims:

Please amend claims 8 and 16 as indicated below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-7 (canceled)

Claim 8 (currently amended): A circuit breaker comprising:
an interrupter chamber housing having an outside wall of a plastic material;
an interrupter including a stationary contact member disposed in the interrupter chamber housing and a moveable contact member moveably connectable to the stationary contact member;
a connecting terminal corresponding to the stationary contact member; and
a busbar imbedded injection molded into the outside wall and in contact with the outside wall over a large surface of the busbar so as to enhance heat transfer from the busbar to the outside wall, the busbar providing a connection between the stationary contact member and the corresponding connecting terminal.

Claim 9 (previously presented): The circuit breaker as recited in claim 8 wherein the busbar is imbedded into the outside wall by an injection molding process using the plastic material.

Claim 10 (previously presented): The circuit breaker as recited in claim 8 wherein the moveable contact member is at least one of a pivoting and a sliding contact member.

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Claim 11 (previously presented): The circuit breaker as recited in claim 8 wherein the busbar is connected to the outside wall in at least one of a positive locking and force-locking manner.

Claim 12 (previously presented): The circuit breaker as recited in claim 8 wherein the busbar is loop-shaped.

Claim 13 (previously presented): The circuit breaker as recited in claim 12 further comprising a blowout magnet imbedded in the outside wall between a first leg and a second leg of the loop-shaped busbar.

Claim 14 (previously presented): The circuit breaker as recited in claim 8 further comprising a second connecting terminal and a second busbar wherein the interrupter is a rotary double-break interrupter that includes a second stationary contact member connected to the second terminal using the second busbar.

Claim 15 (previously presented): The circuit breaker as recited in claim 14 wherein the interrupter housing includes two housing modules, each housing module accommodating one of the stationary contact member and second stationary contact member.

Claim 16 (currently amended): A method for manufacturing a circuit breaker having an interrupter chamber housing including a plastic material and a busbar for connecting a stationary contact member and a connecting terminal, the method comprising:
selecting a mold;
positioning the busbar in the mold;

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injecting the plastic material into the mold so as to surround a large surface area of the busbar so as to enhance heat transfer from the busbar to the interrupter chamber housing.

Claim 17 (previously presented): The method as recited in claim 16, further comprising positioning a blowout magnet in the mold before the injecting of the plastic material.